

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	Lance E. Brothers and)	
	Anthony V. Palmer)	
)	Art Unit: Unknown
)	
Serial No.:	unknown)	
)	
Filed:	concurrently herewith)	Examiner: Unknown
)	
For:	CEMENT COMPOSITIONS WITH)	
	IMPROVED CORROSION RESISTANCE)	
	AND METHODS OF CEMENTING IN)	
	SUBTERRANEAN FORMATIONS)	

INFORMATION DISCLOSURE STATEMENT

ASSISTANT COMMISSIONER FOR PATENTS
Washington, D.C. 20231

SIR:

The following documents are known to Applicants or Applicants' attorneys and are submitted for the Examiner to consider in the above-captioned application.

U. S. PATENTS

U.S. Patent No. 4,111,710 issued September 5, 1978 to Reginald D. Pairaudeau et al.

U.S. Patent No. 4,304,298 issued December 8, 1981 to David L. Sutton.

U.S. Patent No. 4,340,427 issued July 20, 1982 to David L. Sutton.

U.S. Patent No. 4,367,093 issued January 4, 1983 to John F. Burkhalter et al.

U.S. Patent No. 4,450,010 issued May 22, 1984 to John F. Burkhalter et al.

U.S. Patent No. 4,460,052 issued July 17, 1984 to Judith Gockel.

U.S. Patent No. 4,498,995 issued February 12, 1985 to Judith Gockel.

U.S. Patent No. 4,537,918 issued August 27, 1985 to Philippe A. Parcevaux et al.

U.S. Patent No. 4,565,578 issued January 21, 1986 to David L. Sutton et al.

U.S. Patent No. 4,635,724 issued January 13, 1987 to Roderick A. Bruckdorfer et al.

U.S. Patent No. 4,721,160 issued January 26, 1988 to Philippe Parcevaux et al.

U.S. Patent No. 4,767,460 issued August 30, 1988 to P. Parcevaux et al.

U.S. Patent No. 4,784,223 issued November 15, 1988 to Robert N. Worrall et al.

U.S. Patent No. 4,927,462 issued May 22, 1990 to Toshifumi Sugama.

U.S. Patent No. 5,159,980 issued November 3, 1992 to David D. Onan et al.

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U.S. Patent No. 5,791,380 issued August 11, 1998 to David D. Onan et al.

U.S. Patent No. 5,820,670 issued October 13, 1998 to Jiten Chatterji et al.

U.S. Patent No. 5,900,053 issued May 4, 1999 to Lance E. Brothers et al.

U.S. Patent No. 6,063,738 issued May 16, 2000 to Jiten Chatterji et al.

U.S. Patent No. 6,143,069 issued November 7, 2000 to Lance E. Brothers et al.

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U.S. Patent No. 6,230,804 B1 issued May 15, 2001 to Dan T. Mueller et al.

U.S. Patent No. 6,279,652 B1 issued August 28, 2001 to Jiten Chatterji et al.

U.S. Patent No. 6,308,777 B2 issued October 30, 2001 to Jiten Chatterji et al.

U.S. Patent No. 6,332,921 B1 issued December 25, 2001 to Lance E. Brothers et al.

U.S. Patent No. 6,457,524 B1 issued October 1, 2002 to Craig W. Roddy

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U.S. Patent No. 6,516,884 B1 issued February 11, 2003 to Jiten Chatterji et al.

U.S. Patent No. 2,250,107 issued July 22, 1941 to John S. Nelles.

U.S. Patent No. 3,180,748 issued April 27, 1965 to Carl R. Holmgren et al.

U.S. Patent No. 3,782,985 issued January 1, 1974 to John C. Gebbhardt.

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U.S. Patent No. 4,256,503 issued March 17, 1981 to Akikazu Tsuda et al.

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U.S. Patent No. 5,258,222 issued November 2, 1993 to Henry A. Crivelli.

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U.S. Patent No. 5,340,397 issued August 23, 1994 to Lance E. Brothers.

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U.S. Patent No. 5,456,751 issued October 10, 1995 to Iraj Zandi et al.

U.S. Patent No. 5,588,489 issued December 31, 1996 to Jiten Chatterji et al.

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U.S. Patent No. 5,696,059 issued December 9, 1997 to David D. Onan et al.

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PCT Patent Application No. WO 01/25163 A1 published April 12, 2001.

PCT Patent Application No. WO 00/20350 published April 13, 2000.

OTHER PUBLICATIONS

Product data sheet entitled "Secar 60" dated January 1, 2001,

Publication entitled "Rubber-Tire Particles As Concrete Aggregate" by Neil Eldin et al published in the Journal of the Materials in Civil Engineering, vol. 5, No. 4, pp. 479-496, November 1993.

Publication entitled "The Properties of Rubberized Concretes" by I. Topcu, published in the Cement and Concrete Research Journal, vol. 25, No. 2, pp. 304-310 (1995).

Publication entitled "Hot Alkali Carbonation of Sodium Metaphosphate Modified Fly Ash/Calcium Aluminate Blend Hydrothermal Cements" by T. Sugama, published in the Cement and Concrete Research Journal, vol. 26, No. 11, pp. 1661-1672 (1996.)

Publication entitled “ Mullite Microsphere-Filled Lightweight Calcium Phosphate Cement Slurries for Geothermal Wells: Setting and Properties” by T. Sugama, et al published in the Cement and Concrete Research Journal, vol. 25, No. 6, pp. 1305-1310 (1995).

Publication entitled “Carbonation of Hydrothermally Treated Phosphate-Bonded Calcium Aluminate Cement” by t. Sugama et al, published under the auspices of the U.S. Department of Energy, Washington, D.C. under contract no. DEA-AC02-76CH00016; undated but admitted to be prior art.

Publication entitled “Lightweight CO₂-Resistant Cements For Geothermal Well Completions”, by Lawrence E. Kukacka et al, publisher unknown and undated, but admitted to be prior art.

Publication entitled “Microsphere-Filled Lightweight Calcium Phosphate Cements” by Toshifumi Sugama et al. under the auspices of the U.S. Department of Energy, Washington, D.C. under contract no. DE-AC02-76Ch00016; undated but admitted to be prior art.

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Publication entitled “Calcium Phosphate Cements Prepared by Acid-Base Reaction”, by Toshifumi Sugama et al, published in the Journal of the American Ceramic Society, vol. 75, No. 8, pp. 2076-2087 (1992).

Publication entitled “TXI Energy Services Introduces Pressur-Seal™ Hi Performance Lost Circulation Material” dated August 12, 1998.

Halliburton brochure entitled "Latex 2000 Cement Additive" dated 1998.

Halliburton brochure entitled "Pozmix® A Cement Additive" dated 1999.

Halliburton brochure entitled "Spherelite Cement Additive" dated 1999.

Halliburton brochure entitled "Thermalock™ Cement for Corrosive CO₂ Environments"
dated 1999.

Halliburton brochure entitled "HR®-25 Cement Retarder" dated 1999.

Copies of the aforementioned references and Form PTO-1449 are submitted herewith.

Respectfully submitted,

A handwritten signature in black ink, reading "Craig W. Roddy". The signature is fluid and cursive, with the first name "Craig" being the most prominent.

Craig W. Roddy
Registration No. 36,256
Halliburton Energy Services
P. O. Box 1431
Duncan, OK 73536-0440
580-251-3012

FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 2003-IP-010081U1P1	SERIAL NO. unknown
	APPLICANT Lance E. Brothers et al.	
	FILING DATE concurrently herewith	GROUP Unknown

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		Document No.	Date	Name	Class	Subclass	Filing Date if Appropriate
	AA	4,111,710	09/05/78	Pairaudeau et al.	106	90	
	AB	4,304,298	12/08/81	Sutton	166	293	
	AC	4,340,427	07/20/82	Sutton	106	87	
	AD	4,367,093	01/04/83	Burkhalter et al.	106	87	
	AE	4,450,010	05/22/84	Burkhalter et al.	106	87	
	AF	4,460,052	07/17/84	Gockel	175	72	
	AG	4,498,995	02/12/85	Gockel	252	8.5 LC	
	AH	4,537,918	08/27/85	Parcevaux et al.	523	130	
	AI	4,565,578	01/21/86	Sutton et al.	106	87	
	AJ	4,635,724	01/13/87	Bruckdorfer et al.	166	268	
	AK	4,721,160	01/26/88	Parcevaux et al.	166	293	

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
	AL	WO 01/25163 A1	04/12/01	PCT	CO4B	28/02	X	
	AM	WO 00/20350	04/13/00	PCT	CO4B	28/02	X	
	AN							
	AO							
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	Product Data Sheet entitled "Secar 60" dated January 2001.
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		Document No.	Date	Name	Class	Subclass	Filing Date if Appropriate
	AA	4,767,460	08/30/88	Parcevaux et al.	106	90	
	AB	4,784,223	11/15/88	Worrall et al.	166	287	
	AC	4,927,462	05/22/90	Sugama	106	99	
	AD	5,159,980	11/03/92	Onan et al.	166	294	
	AE	5,307,876	05/03/94	Cowan et al.	166	293	
	AF	5,779,787	07/14/98	Brothers et al.	106	802	
	AG	5,791,380	08/11/98	Onan et al.	138	149	
	AH	5,820,670	10/13/98	Chatterji et al.	106	727	
	AI	5,900,053	05/04/99	Brothers et al.	106	678	
	AJ	6,063,738	05/16/00	Chatterji et al.	507	269	
	AK	6,143,069	11/07/00	Brothers et al.	106	678	

FOREIGN PATENT DOCUMENTS

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							Yes	No
	AL							
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	AR	Publication entitled "Hot Alkali Carbonation of Sodium Metaphosphate Fly Ash/Calcium Aluminate Blend Hydrothermal Cements" by T. Sugama Published in the Cement and Concrete Research Journal, Vol. 26, No. 11. pp. 1661-1672 (1996).
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EXAMINER INITIAL		Document No.	Date	Name	Class	Subclass	Filing Date if Appropriate
	AA	6,220,354 B1	04/24/01	Chatterji et al.	166	293	
	AB	6,230,804 B1	05/15/01	Mueller et al.	166	293	
	AC	6,279,652 B1	08/28/01	Chatterji et al.	166	194	
	AD	6,308,777 B2	10/30/01	Chatterji et al.	166	293	
	AE	6,332,921 B1	12/25/01	Brothers et al.	106	692	
	AF	6,457,524 B1	10/01/02	Roddy	166	293	
	AG	6,458,198 B1	10/01/02	Baret et al.	106	644	
	AH	6,488,763 B2	12/03/02	Brothers et al.	106	692	
	AI	6,500,252 B1	12/31/02	Chatterji et al.	106	644	
	AJ	6,508,306 B1	01/21/03	Reddy et al.	166	295	
	AK	6,516,883 B1	02/11/03	Chatterji et al.	166	293	
	AL						

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	AA	6,516,884 B1	02/11/03	Chatterji et al.	166	294	
	AB	2,250,107	07/22/41	Nelles	106	97	
	AC	3,180,748	04/27/65	Holmgren et al.	106	104	
	AD	3,782,985	01/01/74	Gebbhardt	106	97	
	AE	3,901,316	08/26/75	Knapp	166	250	
	AF	4,256,503	03/17/81	Tsuda et al.	106	100	
	AG	4,310,486	01/12/82	Cornwell et al.	264	309	
	AH	4,397,354	08/09/83	Dawson et al.	166	294	
	AI	4,596,834	06/24/86	Widener et al.	521	83	
	AJ	4,916,012	04/10/90	Sawanobori et al.	428	367	
	AK	5,032,181	07/16/91	Chung	106	717	
	AL	5,120,367	06/09/92	Smith et al.	106	823	

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	AA	5,147,565	09/15/92	Bour et al.	252	8.551	
	AB	5,185,389	02/09/93	Victor	524	2	
	AC	5,250,578	10/05/93	Cornwell	521	83	
	AD	5,258,222	11/02/93	Crivelli	428	323	
	AE	5,339,903	08/23/94	Eoff et al.	166	293	
	AF	5,340,397	08/23/94	Brothers	106	727	
	AG	5,391,226	02/21/95	Frankowski	106	696	
	AH	5,453,310	09/26/95	Andersen et al.	428	34.4	
	AI	5,456,751	10/10/95	Zandi et al.	106	724	
	AJ	5,588,489	12/31/96	Chatterji et al.	166	293	
	AK	5,624,489	04/29/97	Fu et al.	106	692	
	AL	5,696,059	12/09/97	Onan et al.	507	269	
	AM	5,989,336	11/23/99	Carpenter et al.	106	811	

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	AF						
	AG						
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	AJ						
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